Arash Ajoudani, PhD

Senior Researcher Tenured - Principal Investigator
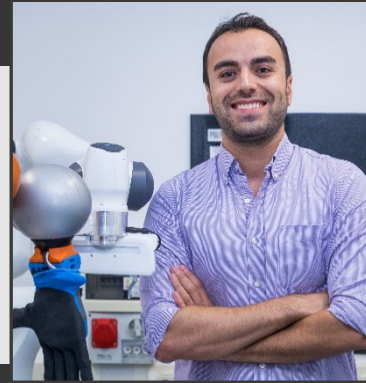Human-Robot Interfaces and physical Interaction Laboratory (HRI^2)
Istituto Italiano di Tecnologia (IIT)

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HRI^2 Laboratory: https://hri.iit.it/

Education

Ph.D. in Robotics, Automation, and Bioengineering (July 2014)
Faculty of Engineering - University of Pisa, Pisa, Italy; and
Department of Advanced Robotic, Italian Institute of Technology (IIT), Genoa, Italy

Research Interests

Human-robot interaction and collaboration, robotic manipulation, assistive robotics, tele-robotics, human factors, and modeling and analysis of human motor behavior

Projects

Ongoing and *past*:

- **ERC Starting Grant Ergo-Lean**: Rethinking Human Ergonomics in Lean Manufacturing and Service Industry
- **H2020 SOPHIA**: Socio-Physical Interaction Skills for Cooperative Human-Robot Systems in Agile Production
- **H2020 CONCERT**: CONfigurable CollaborativE Robot Technologies
- **JOiiNT LAB**: IIT-KMR Joint Laboratory
- **BRIC National Grant BRISK**
- **Commercial Grant HIRO**
- *Amazon Research Awards - E-LOG*
- *H2020 SoftPro: Synergy-based Open-source Foundations and Technologies for Prosthetics and RehabilitatiOn.*
- *H2020 SOMA: SOft-embodied intelligent MAnipulation*
- *FP7 Walkman: Whole-body Adaptive Locomotion and Manipulation.*
- *FP7 Wearhaps: Wearable haptics for humans and robots. European Community's Seventh Framework Program*

Publications

For the full list of publications, please visit
https://hri.iit.it/publications

Organizations

- **IEEE Workshops**: IROS2022, ICRA2022, IROS2020, ICRA2020, IROS2019, Humanoids 2017, IROS 2017, ICRA 2017, ICRA 2016
- **Conferences**: HFR2016, ARSO 2018
- **IEEE Events**: Young Professionals events at ICRA and IROS

Awards

- **Winner of the ERC starting grant** (European Research Council, 2019)
- **Winner of the Robotic Solution Award** (Premio Innovazione Robotica, MECSPE 2019)
- **Winner of the Amazon Research Awards** (ARA 2019)
- **Winner of the Best Poster Award** (International Conference on Wearable Robotics (Werob), 2018)
- **Best Conference Paper Award Finalist** (oral presentation category) (IEEE Humanoids, 2018)
- **Winner of the KUKA Innovation Award 2018**.
- **Best Interactive Paper Award Finalist**, Humanoids 2016.
- **Georges Giralt Ph.D. Award Finalist** 2015 - Best European PhD Thesis in Robotics.
- **Best Presentation Award Finalist**, Automatica.it (SIDRA), 2014.
- **Best Student Paper Award** – IEEE International Conference on Robotics and Biomimetics, 2013.
- **Best Conference Paper Award Finalist** – IEEE International Conference on Robotics and Biomimetics, 2013.
- **Best Robotic Manipulation Paper Award Finalist** – IEEE International Conference on Robotics and Automation (ICRA), 2012.

Editorial Activity

- IEEE Robotics and Automation Letters
- IEEE Robotics and Automation Magazine
- IFAC Mechatronics journal
- IEEE Int. Conf. on Robotics and Automation (ICRA)
- IEEE Int. Conf. on Humanoids
- IEEE ARSO, ICORR, BIOROB, …

Governance

- **RAS AdCom member**
- **Chair and representative** - IEEE-RAS young professionals committee
- **Founder and executive manager** - the IEEE-RAS young reviewers program

Links

HRI^2 **LinkedIn** page - HRI^2 **YouTube** channel
HRI^2 **Facebook** page - SOPHIA **Twitter** page
Arash Ajoudani **LinkedIn** page